

ABSTRACT OF THE DISCLOSURE

A method for producing a protein having an antithrombotic activity, which comprises replacing, in a protein that has an amino acid sequence having a homology of not less than 30% to the amino acid sequence of SEQ ID NO: 1 and forms a higher order structure composed of a first β strand ($\beta 1$), a first α helix ($\alpha 1$), a second α helix ($\alpha 2$), a second β strand ($\beta 2$), a loop, a third β strand ($\beta 3$), a fourth β strand ($\beta 4$) and a fifth β strand ($\beta 5$) in this order from the amino terminus, at least one amino acid residue in a region from $\alpha 2$ to $\beta 2$ and/or a region from $\beta 3$ to $\beta 4$ so that electric charge of the amino acid residue is changed towards positive direction.